

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **METHOD AND APPARATUS FOR PROVIDING A BIOINFORMATICS DATABASE** the specification of which ____ is attached hereto or X was filed on 7/24/98 as Application No. 09/122,167 and was amended on _____ (if applicable).

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date
60/053,842	7/25/97
60/069,198	12/11/97
60/069,436	12/11/97

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Joe Liebeschuetz, Reg. No. 37,505
William Smith, Reg. No. 30,223

Paul A. Durdik, Reg. No. 37,819
Vernon A. Norviel, Reg. No. 32,483
Nancy DeSantis, Reg. No. 37,608
Philip L. McGarrigle, Reg. No. 31,395

Send Correspondence to: Paul A. Durdik TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8 th Floor San Francisco, California 94111-3834	Direct Telephone Calls to: (Name, Reg. No., Telephone No.) Name: Paul A. Durdik Reg. No.: 37,819 Telephone: 650-326-2400
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Full Name of Inventor 1:	Last Name: BALABAN	First Name: DAVID	Middle Name or Initial: J.	
Residence & Citizenship:	City: San Rafael	State/Foreign Country: CA	Country of Citizenship: US	
Post Office Address:	Post Office Address: 37 Bret Harte Road	City: San Rafael	State/Country: CA	Postal Code: 94901
Full Name of Inventor 2:	Last Name: AGGARWAL	First Name: ARUN	Middle Name or Initial:	
Residence & Citizenship:	City: Mountain View	State/Foreign Country: CA	Country of Citizenship: US	
Post Office Address:	Post Office Address: 3374 Tryna Drive	City: Mountain View	State/Country: CA	Postal Code: 94040

✓ I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1 <i>David J. Balaban</i> DAVID J. BALABAN	Signature of Inventor 2 <i>Arun K. Aggarwal</i> ARUN AGGARWAL	Signature of Inventor 3 _____
Date 11/2/98	Date 10/16/98	Date

11-17-1998

Docket No. 018547-033810US

Client Ref. No. 3068.1

FORM PTO-1595
(Rev. 6-93)

100879606

U.S. Department of Commerce
Patent and Trademark Office

To the Honorable Asst. Commissioner for Patents. Please record the attached original documents or copy thereof

1. Name of conveying party(ies):

David J. Balaban and Arun Aggarwal

Additional name(s) of conveying parties attached? ☐ Yes☒ No.

2. Name and address of receiving party(ies)

Name: Affymetrix, Inc.

Internal Address:

Street Address: 3380 Central Expressway

City: Santa Clara State: California ZIP: 95051

Additional names and addresses attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger☐ Security Agreement ☐ Change of Name☐ Other:

Execution Date: 11/2/98 and 10/16/98

4. Application Number(s) or Patent Numbers.

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s): 09/122,167

B. Patent No(s):

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Paul A. Durdik
TOWNSEND AND TOWNSEND AND CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
(650) 326-2400

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41): \$40.00

☐ Enclosed ☒ Charge Fees to Deposit Account☒ Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account.

8. Deposit account number: 20-1430

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true of copy of the original document.*Paul A. Durdik
Name of Person Signing

Signature

Date

Atty Reg. No. 37,819

Total number of pages including cover sheet, attachments and document 2

10. Change Correspondence Address to that of Part 5? ☒ Yes ☐ No

OMB No. 0651-0011 (exp. 4/94)

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Mail documents to be recorded with required cover to:

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Washington, D.C. 20231

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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/12/1998

REEL/FRAME: 9575/0227
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
BALABAN, DAVID J.

DOC DATE: 11/02/1998

ASSIGNOR:
AGGARWAL, ARUN

DOC DATE: 10/16/1998

ASSIGNEE:
AFFYMETRIX, INC.
3380 CENTRAL EXPRESSWAY
SAMTA CLARA, CALIFORNIA 95051

SERIAL NUMBER: 09122167
PATENT NUMBER:

FILING DATE: 07/24/1998
ISSUE DATE:

JEEVON JONES, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

0983667-041601

ASSIGNMENT OF PATENT APPLICATION

SOLE

WHEREAS, David J. Balaban, of 37 Bret Harte Road, San Rafael, CA 94901, US, Arun Aggarwal, of 3374 Tryna Drive, Mountain View, CA 94040, US, hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: METHOD AND APPARATUS FOR
PROVIDING A BIOINFORMATICS
DATABASE

Date(s) of execution of Declaration: 10/16/98 and 11/2/98

Filing Date: 7/24/98

Application No.: 09/122,167; and

WHEREAS, Affymetrix, located at 3380 Central Expressway, Santa Clara, CA, 95051, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has signed his/her names on the dated indicated.

Dated: 11/2/98

David J. Balaban
David J. Balaban

Dated: 10/16/98

Arun K. Aggarwal
Arun Aggarwal